

Evaluation of Requirements General Waste Discharge Requirements for Composting Operations Organic Materials Management

March 20, 2018 – Item 7



Brianna St. Pierre, P.G.

State Water Resources Control Board



OUTLINE

- Background
- Stakeholder Concerns
- Manure Management Options
- Recommendations
- Compliance Tools



BACKGROUND

- August 4, 2015 Board Meeting
- Resolution No. 2015-0054 certified EIR, adopted Composting General Order
- September 19, 2017 Board Meeting
- Follow up on Organics Management requirements

STAKEHOLDER CONCERNS

- Manure is a feedstock in Tier II
- Different requirements for stockpiling manure at dairies
- Who qualifies for the agricultural exemption
- Percentages for additives



MANURE IN TIER II

- Constituents such as pathogens, nitrates, and salts
- Composting generates leachate
- Tier II facilities are constructed and operated to be more protective of water quality



CURRENT REQUIREMENTS

Stockpiling Manure



Composting



CONFINED ANIMAL FACILITIES

- Move Manure!
- Impacts from over-application of nitrogen to fields
 - Nitrogen Management Plans
 - Irrigated Lands Regulatory Program
- Expensive to transport manure
- Central Valley Representative Monitoring Program
 - Evaluating Best Management Practices
 - Report due mid-2019
- Incentives for composting manure



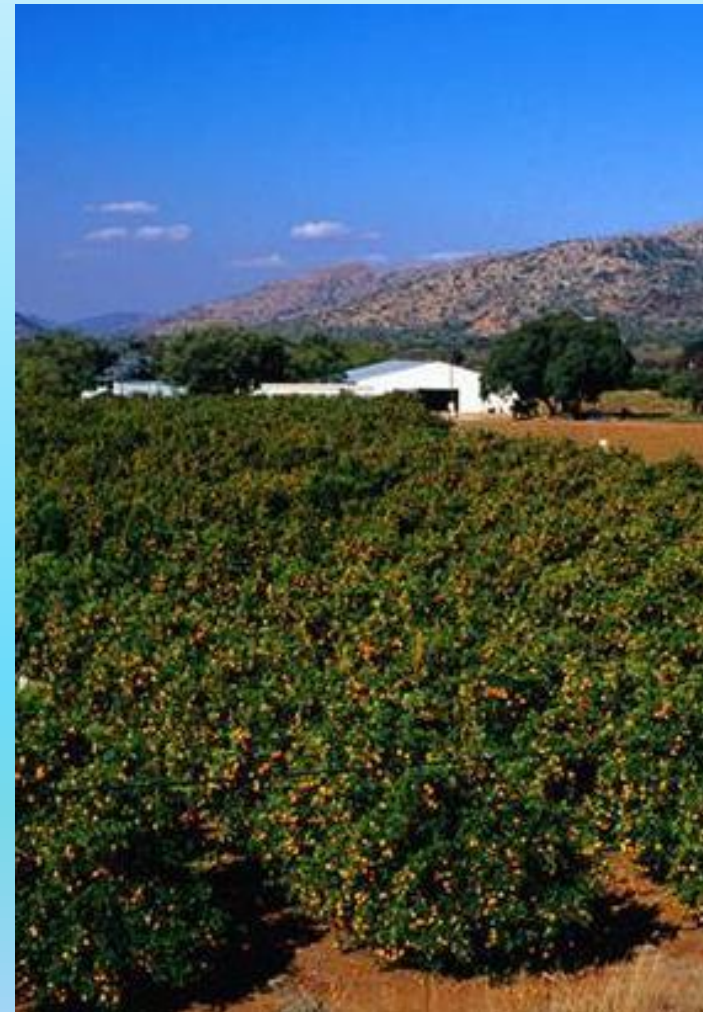
HERBIVORE MANURE

- Allow Herbivore Manure in Agricultural Materials
- Would allow herbivore manure in Tier I
- May need to revisit requirements following results of Central Valley Representative Monitoring Program



AGRICULTURAL EXEMPTION

Current Conditions



AGRICULTURAL EXEMPTION

Recommendation:

- Bring unlimited amount of material on farm to supplement
- Agricultural materials only
- Increase exported limits to 5,000 cubic yards
- Implement Best Management Practices
- Manure to Farms, Woody Material to Dairies



TIER PERCENTAGES

- Additives limited to 10% for Tier I and 30% for Tier II
- Based on
 - Threat to water quality
 - Design specifications
 - Comments in development of Composting General Order
- If percentage increased, larger quantities of manure allowed in Tier I



COMPLIANCE GUIDANCE

Tier Determination

Which of the following materials are composted at your facility?

- ☐ Agricultural Materials (Tier I Feedstock)
- ☐ Biosolids (Tier II Feedstock)
- ☐ Food Materials (non-vegetative) (Tier II Feedstock)
- ☐ Residentially co-collected or self-hauled food and green materials (Tier I Feedstock)
- ☐ Paper Materials (Tier I Feedstock)
- ☐ Vegetative Food Materials (Tier I Feedstock)
- ☐ Green Materials (Tier I Feedstock)
- ☐ Anaerobic Digestate (Tier I Feedstock)
- ☐ Anaerobic Digestate (Tier II Feedstock)
- ☐ Manure
- ☐ None

What is the total volume of materials at your facility?

-Select-

Less than 500 CY [on-site at any given time]

Greater than 500 CY and less than 25,000 CY [on-site at any given time]

Greater than 25,000 CY [on-site at any given time]

Less than 5,000 CY on site [annual throughput]

COMPLIANCE GUIDANCE

GEOTRACKER ESI

[Electronic Submittal of Information]

ESI BEGINNER'S GUIDE FOR CONTRACTORS

**(Composting Facility Owner/Operator
Contractors & Consultants)**

Version 1.0

FEBRUARY 2018

STATE WATER RESOURCES CONTROL BOARD
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ESI Homepage:

https://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/

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[Electronic Submittal of Information]

ESI BEGINNER'S GUIDE FOR AUTHORIZED RP AGENTS (Consultants to Composting Facility Owners/Operators)

Version 1.0

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ESI BEGINNER'S GUIDE FOR RESPONSIBLE PARTIES (Composting Facility Owners/Operators)

Version 1.0

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COMPLIANCE GUIDANCE

- ii) Hover the cursor over the Facility Management tab to the right of the Main Menu tool bar, and then click on Request Additional Facs.

1. Hover cursor pointer over "Facility Management" to view and select "Request Additional Facs" option.

2. Click

The screenshot shows a web application interface. At the top, there is a navigation bar with tabs: 'Main Menu', 'Tools', 'View Submittals', 'Facility Management', and 'Download / Upload'. Below this, there is a sub-navigation bar with links: 'Associated Facilities', 'Pending Facilities', 'Denied Facilities', and 'Request Additional Facs'. The 'Request Additional Facs' link is highlighted with a red box. On the left side, there is a 'TOOLS' menu with options: 'Upload EDD', 'Check EDD', 'VVL Search Tool', 'Edit Field Points', 'Other Tools', 'Add Program', and 'Logout'. The main content area is titled 'REQUEST ADDITIONAL FACILITIES' and shows '1 RECORDS FOUND' and 'PAGE 1 OF 1'. Below this, there is a search form with fields for 'Global ID', 'Facility Name', 'Status', 'Street Name', 'City', and 'County'. The 'Global ID' field contains the text 'T1800010458'. To the right of the fields are 'Search' and 'Reset' buttons. Below the search form, there is a table with columns: 'GLOBAL ID', 'FACILITY NAME', 'STATUS', 'ADDRESS', 'CITY', and 'COUNTY'. At the bottom of the table is a button labeled 'Request Checked Facilities'.

- iii) Search for a site by entering the site address, name, or Global ID number issued by Regional Water Board Staff and then click the Search button.

3. Enter the Global ID or search by name or address

4. Click Search

This screenshot is similar to the previous one, but with additional annotations. The 'Global ID' field now contains the text 'T1800010458', which is highlighted with a red box. The 'Search' button is also highlighted with a red box. A yellow arrow points from the 'Search' button to the text '4. Click Search'. Another yellow arrow points from the text '3. Enter the Global ID or search by name or address' to the 'Global ID' field.

Questions/Comments?
Contact us at composting@waterboards.ca.gov

Brianna St. Pierre
Brianna.St.Pierre@waterboards.ca.gov
(916) 341-5810